



CT WiZ Data Quality Assurance (DQA) Report

October 2025 V.1.2

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What is the Data Quality Assurance (DQA) Report?

- This report provides you with more information on the status of your clinic-facility location(s) and how well you are entering data or reporting from your electronic health record (EHR) systems to the Connecticut immunization information system (IIS), called CT WiZ, so data can be reviewed, evaluated, and improved. This is an additional tool to monitor and improve data quality.
- The accuracy, completeness, and timeliness of the data sent to CT WiZ is essential for clinical decision support and for improving vaccination rates. Data quality assurance helps providers access records and utilize query and response to populate their EHR systems and helps the public access complete, consolidated immunization records.

Expectations:

- Please review this report with your team and consider applicable improvements or corrections such as:
 - Changes in the interface, in your EHR system, training for your staff, etc.
 - This will prevent you from submitting the same error from your EHR to CT WiZ again.
- Goal: Improved data quality of immunization records.

Requirements to Access the Data Quality Assurance (DQA) Report

Username to access CT WiZ:

- If you don't already have a [username and password](#) for CT WiZ, review the [user access types](#) to ensure you request the correct type of access.
- If requesting 'clinic access' type, ensure your Primary, Backup Vaccine Coordinator or main contact has [added you to the clinic staff](#) in CT WiZ before you submit your username request. DPH refers to the clinic staff screen when reviewing user requests.
- If you're associated with multiple clinics, enter each clinic's PIN in the "Organization Name" field, separated by a comma, if applicable.
- Request a username account [here](#).

You must be added as a contact at your provider/clinic:

- Click on the blue link to learn how to [add yourself to the clinic staff](#).

You must have access to the Data Quality Assurance (DQA) Report:

- If you do not have the necessary permissions to perform your job duties in CT WiZ, please submit a [helpdesk](#) ticket and select Immunization (CT WiZ) and the applicable category and topic.
- Include your access type, and information on which functions you are missing, e.g., "search for patients", "clinic information", "running reports".
- *Reminder:* please review the [user access types](#) to ensure you request the correct type of username access.

Who can access the DQA Report?

All users who have the following contact types: [user access types](#)

- **For CVP clinics-facilities (Have a PIN and receive vaccines from the state)**
 - Primary Vaccine Coordinator (Inventory/Ordering)
 - Backup Vaccine Coordinator (Inventory/Ordering)
 - Clinic Access (Patient Management/Reports)
 - DQA Provider Lead
 - DQA Interface (Reports)
- **For Non-CVP clinics-facilities (Private inventory, they do not receive vaccines from the state)**
 - Private Inventory Main Contact (non-CVP)
 - Clinic Access (Patient Management/Reports)
 - DQA Provider Lead
 - DQA Interface (Reports)

If the user has a different contact type and would like to access the module, please submit a [helpdesk](#) ticket and select Immunization (CT WiZ) and the applicable category and topic with the justification of why you would like to access the report.

Who will be notified?

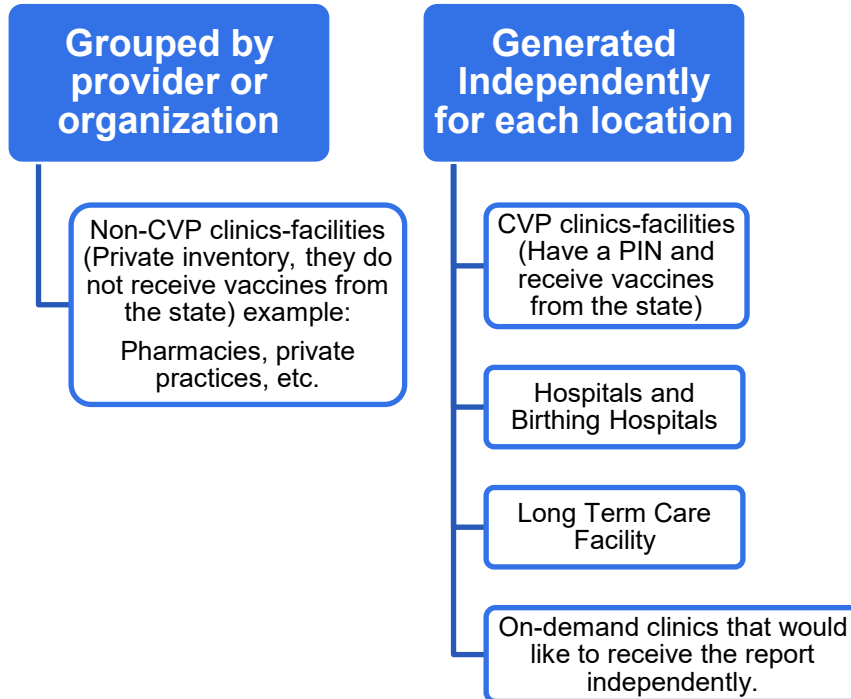
Each month, on the first business day of the week, assigned contacts will receive an email from NOREPLY-CTWIZ_TASKS@IISREGISTRY.NET notifying them that the Data Quality Assurance (DQA) Report containing the results of the information submitted in the previous month is available for review.

- ❖ **Standalone report (Report generated at the clinic level)** This means the report contains data only for a single clinic/location. The following contact types will be notified.
 - **For CVP clinics-facilities (Have a PIN and receive vaccines from the state)**
 - Primary Vaccine Coordinator (Inventory/Ordering)
 - Backup Vaccine Coordinator (Inventory/Ordering)
 - DQA Provider Lead (Point of contact at the provider organization)
 - DQA Interface (Reports) (Point of contact at the provider organization)
 - **For Non-CVP clinics-facilities (Private inventory, they do not receive vaccines from the state)**
 - Private Inventory Main Contact (non-CVP) *if the report is generated by clinic-facility level*
 - DQA Provider Lead (Point of contact at the provider organization)
 - DQA Interface (Reports) (Point of contact at the provider organization)

- ❖ **By provider organization (Report generated at the provider level)** This means the report contains combined data for all clinics/locations under a single provider or organization. The following contact types will be notified.
 - DQA Provider Lead (Point of contact at the provider organization)
 - DQA Interface (Reports) (Point of contact at the provider organization)

How is the report grouped and generated?

This report can be generated per organization, a single report containing all the results from its associated locations, or independently for each location. It is currently configured as follows:



In cases where a provider or organization has locations using different interface types, reports are generated separately for each interface category within the evaluated month.


Example:

A provider has a total of 20 locations:

- 10 using **EHR-HL7**
- 7 using the **User Interface (UI)**
- 3 using **Query and Response (Q&R) only**

Report Distribution:

- **One report** including the 10 EHR-HL7 locations
- **One report** including the 7 User Interface (UI) locations
- **One report** including the 3 Query and Response (Q&R) only locations

 *Note: Reports are grouped by interface type to ensure accurate evaluation and targeted feedback by connection method.*

Email Notifications

Each month, on the first business day of the week you will receive a “no-reply” email notification from this **No-Reply email**:

From: NOREPLY-CTWIZ_TASKS@IISREGISTRY.NET

Subject: *#report_month_year# CT WiZ Data Quality Assurance (DQA) Provider Production Report, ex. October 2025 CT WiZ Data Quality Assurance (DQA) Provider Production Report*

This is an automatically generated email from the Connecticut Department of Public Health (DPH) CT WiZ.

- Make sure to validate and mark this email as trusted so it does not end up in your spam email folder.
- Do not reply to this email as it does not accept email replies and it is not a monitored email.

If you have additional questions:

- please submit a [helpdesk ticket](#), email DPH.Immunizations@ct.gov or visit [Contact Us](#) for more information.

Note: If you do not receive these email notifications as expected, please check your personal notification settings within the email client or service you're using, and try troubleshooting email rules, spam folders, or firewall restrictions. If these steps do not enable you to receive these email notifications, please contact your IT department to investigate potential organizational policies or server-side issues.

From: NOREPLY-CTWIZ_TASKS@IISREGISTRY.NET <NOREPLY-CTWIZ_TASKS@IISREGISTRY.NET>
Sent: Thursday, June 12, 2025, 3:51 PM
To: Arias, Alejandra <Alejandra.Arias@ct.gov>
Subject: May 2025 CT WiZ Data Quality Assurance (DQA) Provider Production Report

Hello MILENA ARIAS,

CLINIC TEST

Please review your **Data Quality Assurance (DQA) Provider Production Report** for data of the **May 2025** month for your review. This report is accessible in the Connecticut Department of Public Health Connecticut Immunization Information System (CT WiZ).

- [Click here to access your report in CT WiZ: View Task](#)
- [Click here to access your task in CT WiZ: View Task](#)
- Notification ID: 170
- Month Data: May 2025
- Due Date for your review: 06/30/2025

ACTION: Please review this report with your team for consideration of improvements or corrections to help ensure your patients' records are accurate and complete in your EHR and CT WiZ.

The purpose of this report is to provide you an additional tool to monitor and improve data quality within the interface between your organization's electronic health record (EHR) system and CT WiZ.

- This report provides you with more information on the status of your clinic facility location(s) and how well you are capturing, entering, and reporting data from your EHR systems to the CT WiZ so data can be reviewed and corrected if needed.
- The accuracy, completeness, and timeliness of the data sent to CT WiZ is essential for clinical decision support and for improving vaccination rates.
- Data quality assurance helps providers access records and utilize query and response to populate their EHR systems, and helps the public access complete, consolidated immunization records in the [CT WiZ Public Portal](#).

Need Help?

- For information on how the report is generated, review the "Report Guidelines" tab.
- For information on how to access the report in CT WiZ, who can access it, and other information about how to utilize the report, click here: [ct-wiz-reports-manual.pdf](#).
- If you have additional questions, please click here: [Contact Us](#).

Thank you,

Connecticut Immunization Information System (CT WiZ)

Connecticut Department of Public Health
Phone: 860-509-7929 Helpdesk: [Ticketing System](#)
Websites: [Immunization Program \(ct.gov\)](#), [CT WiZ Onboarding](#), [CT WiZ Training](#)

How to access Data Quality Assurance (DQA) Reports in CT WIZ?

The report can be accessed in three ways:

1. **From the email notification:** In the email you receive, there is a link that says:
 - **"Click here to access your task in CT WiZ."**
 - Click on [View Report](#), and it will display the task containing the report link.
 - Click on [View Task](#). Opening the task notification is important, as it ensures the report is saved and flagged as reviewed for audit and monitoring purposes.
 - Once you're in the task, click on the blue link that says, 'Click here to access your report in CT WiZ.' This will direct you to the report so you can view it.

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How to access Data Quality Assurance (DQA) Reports in CT WiZ?

2. **From the task notification:** After logging into CT WiZ, you can access the Task Module directly from the main screen. All tasks and notifications sent to your clinic/facility are displayed, sorted from the most recent to the oldest. To learn more about how the Task Module functions, click [Task Module Guide](#).

My Tasks

Search Criteria

Task ID:

Priority:

Due Date Range: Start Date: End Date:

Task Status: Available Items: CLOSED

Selected Items: INFO, OPEN, IN PROGRESS, SOLUTION PROVIDED

Note: Hold the Ctrl key to select or deselect multiple items.

Search

Individual

⚠ There are currently no tasks that match your search criteria.

Provider/Clinic

Task ID	Provider Name	Clinic Name	Task Status	Due Date	Priority	Subject	Created Date	Icons	Audit	Action
09		HLT UNIT TEST CLINIC	INFO	06/23/2025	MEDIUM	MAY 2025 CT WIZ DATA QUALITY ASSURANCE (DQA) PROVIDER PRODUCTION REPORT	06/19/2025			<input type="button" value="View"/>
08	HLT UNIT TEST PROVIDER		INFO	06/23/2025	MEDIUM	MAY 2025 CT WIZ DATA QUALITY ASSURANCE (DQA) PROVIDER PRODUCTION REPORT	06/19/2025			<input type="button" value="View"/>

How to access Data Quality Assurance (DQA) Reports in CT WiZ?

3. **From Data Quality Assurance Reports:** You can access it directly from the module. To do so, follow these steps:

- Login to CT WiZ
- Click on Reports section located in the main screen of CT WiZ
- Search for the Data Quality Assurance Section
- Click on Data Quality Assurance Reports option

- It is very important to select the correct name to ensure the report returns results.
- If the report was generated at the provider level, you must select the provider's name with the option labeled "All Clinics". See the example in the picture.
- If the report was generated at the clinic or location level, you must select the specific clinic or location name.

⚠ If the correct option is not selected, the report will not display any results.

Data Quality Assurance Reports

Search Criteria

Provider / Clinic *
[HL7 UNIT TEST PROVIDER] ALL CLINICS
Select a provider or clinic by typing provider, clinic, vfc pin, or clinic code

Date Range
From Date * 05/14/2025 **Through Date *** 06/13/2025

Q Search

Provider Name	Clinic Name	File Name	Interface Type	Run Date/Time	DQA Score	Action
HL7 UNIT TEST PROVIDER		DQA_REPORT_PROVIDER_2_EHR-HL7_MAY_2025.XLSX	EHR-HL7	6/12/2025 11:14:42 AM	57.7	Download

The system will display the available reports based on the selected date range. Please note that if you select a date range that includes the current month, reports will only be generated up to the previous month. This is because reports for the current month are only generated once the month has ended.

Search section. You can filter for any of the fields in the screen, and then click in Search.

The available reports will be listed in this section. To access a specific report, click the "Download" button next to the report you wish to open.

Types of Interfaces and DQA Report components

- Depending on the type of interface your clinic-facility uses, the DQA Report will display different levels of information. The data available in each report is determined by what is applicable to your location(s).

EHR-HL7 Messages: Send the administered or entered vaccines to the EHR clinic-facility system via HL7 interface.

- The report will have the following tabs:
 - Guidelines
 - Demographics
 - Vaccines
 - HL7 and ACK
 - Clinics-Facilities

User Interface: Clinic-facility that manually enter their administered vaccinations into CT WiZ.






- The report will have the following tabs:
 - Guidelines
 - Demographics
 - Vaccines
 - Clinics-Facilities

Query and Response (Q&R): These are permitted locations that only query and respond to CT WiZ to obtain the vaccines given to a specific person.

- The report will have the following tabs:
 - Guidelines
 - HL7 and ACK
 - Clinics-Facilities

Data Quality Tabs – Quick Overview

>
Guidelines
Demographics
Vaccines
HL7 and ACK
Clinics-Facilities
+

Tab	Focus Area	Key Insights
 Guidelines	Scoring Criteria	<ul style="list-style-type: none"> Explains scoring methods, definitions, and thresholds for evaluating data completeness, timeliness, and accuracy. Explains what each score means and how it is calculated. Serves as a reference for interpreting scores related to data completeness, timeliness, and accuracy.
 Demographics	Patient Info Quality	<ul style="list-style-type: none"> Displays data quality metrics for patient demographic fields (e.g., name, DOB, race, ethnicity, address). Includes completion scores, percentage of missing or invalid values, and benchmarks. Helps identify areas where demographic data may be incomplete or inconsistent.
 Vaccines	Vaccine Record Quality	<ul style="list-style-type: none"> Shows quality metrics for vaccination records submitted or entered. Includes scores for completeness, accuracy and timeliness of the vaccination fields.
 HL7 and ACK	Transmission Status	<ul style="list-style-type: none"> Reports on ACK (Acknowledgement) success rates, message timeliness, and errors/warnings returned. Includes counts and types of HL7 errors (e.g., invalid segments, missing required fields) and how they affect overall data quality.
 Clinics-Facilities	Clinics-facilities evaluated	<ul style="list-style-type: none"> Displays the list of clinics/locations that were evaluated.

Guidelines tab

Explains scoring methods, definitions, and thresholds for evaluating data completeness, timeliness, and accuracy.

CT WIZ Data Quality Assurance (DQA) Provider Production Summary Report Guidelines

Purpose of this report

This report provides more information on the status of associated clinic facility location(s) and how well data is being entered or reported on from the electronic health record (EHR) systems to the state's Immunization Information System (IIS) so data can be reviewed, evaluated, and improved. This is an additional tool to monitor and improve data quality.

The accuracy, completeness, and timeliness of the data sent to the state's IIS is essential for clinical decision support and for improving vaccination rates. Data quality assurance helps providers access records and utilize query and response to populate their EHR systems and helps the public access complete, consolidated immunization records.

ACTION TO TAKE:

Please review this report with staff and consider applicable improvements or corrections such as:

- * Changes in the interface or the EHR system
- * Training for staff

This will prevent the same error from transmitting between the EHR and the IIS.

DQA Score

The Data Quality Assurance (DQA) score shown on the "Demographics" tab is calculated based on a number of metrics including, but not limited to, percentage of compliance with demographics data, vaccinations, timeliness of the information sent, and HL7 messages without errors. The logic to determine the DQA score depends on the interface type as below (EHR, UI, Q&R):

-DQA Score for EHR-HL7 Messages Facilities: These are the locations that send vaccines administered or entered into the EHR system electronically via HL7 messaging interface with the IIS; and the overall calculation of your DQA score is as follows: Average (Demographics score, Vaccination score, Timeliness, ACK responses).

-DQA Score for User Interface (UI) Facilities: These are the locations that manually enter administered vaccinations into the IIS; and the overall calculation of your DQA score is as follows: Average (Demographics score, Vaccination score, Timeliness).

-DQA Score for Query and Response (Q&R) Facilities: These are permitted locations that only query and respond to the IIS to obtain the vaccines given to a specific person; and the overall calculation of your DQA score is as follows: Percent of ACK responses.

The goal is to strive for a score as close to 100% as possible. The DQA score can also be broken up into different ranges to signal where the score needs attention, is close to achieving the goal, and achieving the goal. These categories can be variable but should seldom change. See below for an example of what the different ranges might look like.

Green: Achieving the goal of DQA

Orange: Close to achieving goal

Red: Needs attention, is not achieving goal

Logic Guidance

This report has four tabs of information:

- "Demographics" tab groups and displays the status of all demographic information sent or entered.
- "Vaccines" tab contains the status of all vaccine information sent or entered.
- "HL7 and ACK" tab contains the results of the HL7 messages sent and the errors and warnings generated in the evaluated period.
- "Facilities" tab contains all the locations that were evaluated in this report.

It is possible that not all tabs mentioned above will appear in every report.

- The "Demographics" and "Vaccines" tabs only apply to EHR HL7 and User Interface Facilities.
- The "HL7 and ACK" tab only applies to EHR HL7 and Query and Response Facilities.

By default, this report is calculated at the organization or provider level.

- If the organization has multiple locations, a report is generated with the total information sent or entered by all clinic locations.
- There are exceptions where this report can be generated separately by clinic location.
- If your report is being generated at the organization level and you would like it generated separately by clinic location, please submit this request to our IIS team.

Demographics

The demographics score calculation is the average population of gender, ethnicity, race caregiver, address, phone number, email, and language.

This tab contains the following information:

- Provider Name or Facility Name: Name of the organization or location evaluated.
- Total Locations: Total locations evaluated.
- Reporting Type: EHR-HL7 Messages, User Interface, or Query and Response.
- DQA Score: Total score of submitted or entered information for the period evaluated.
- Total Number of Patients sent, grouped by different ages.
- Total of high priority populated demographic fields with their respective goal. With the following exceptions:
 - o Total Caregiver Information Populated for patients under 18 years old: This only assesses that the information is present for people between 0 and 18 years of age.
 - o Total of Middle Name Populated: This is for informational purposes only and does not affect the demographic score.
 - o Total of Ethnicity Populated: Does not count as present value if it is equal to "unknown."
 - o Total of Race Populated: Does not count as present value if it is equal to "unknown."
 - o Total of Medicaid Populated: This is for informational purposes only and does not affect the demographic score.
- Total of Possible Duplicate patients the EHR system could create in the IIS.
- Total Patients with no vaccinations reported.

Vaccines

The vaccination score calculation is the average population of lot number, funding source, funding eligibility, manufacturer, expiration date, dosage, body site, body route, and VIS date.

The timeliness score calculation is the percentage of data that was sent between 0-3 days.

This tab contains the following information:

- Total Number of Vaccines sent, grouped by vaccine group, administered, and historical.
- Total of high priority populated vaccines fields with their respective goal. With the following exceptions:
 - o Total of Funding Eligibility Populated: Does not count as a present value if it is equal to "V00 - VFC Eligibility Not Determined/Unknown" for persons under 19 years old.
- Total of Possible Vaccine Duplicates the EHR system could create in the IIS.
- Total Administered Vaccinations reported in the expected times.

HL7 and ACK

The ACKs score calculation is the percentage of good messages and information messages (AA, AI).

This tab contains the following information:

- Total VXU HL7 messages sent.
- Total query and response sent and categorized by whether or not it received a match.
- Total ACK messages sent by the IIS, categorized by messages without errors, with errors, warnings, or information.
- Details of the most recurrent ACK messages with errors and warnings the IIS generates in response to messages received so they can be reviewed and corrected in the future.

Clinics-Facilities

This tab contains the list of the locations included in the report.

Demographics tab

Shows data quality scores for patient information such as name, date of birth (DOB), race, ethnicity, and address. Highlights missing or invalid values.

CT WIZ Data Quality Assurance Report

Clinic Name:	HL7 UNIT TEST CLINIC	DQA Score	57.7	90 % - 100 % for DQA score for the entire report
Total Locations:	1			
Interface Type:	EHR-HL7			
Evaluation Period:	May 2025			

Patient Population Summary	Number	Percent
Total number of patient records	66	
Total Patients between 0 and 18 years old	55	83%
Child Age Value Distribution		
Patients 0 to 24 months old	38	58%
Patients 2 to 6 years old	9	14%
Patients 7 to 10 years old	1	2%
Patients 11 to 12 years old	5	8%
Patients 13 to 18 years old	2	3%
Total Patients older than 18 years old	11	17%
Adult Age Value Distribution		
Patients 19 to 26 years old	4	6%
Patients 27 to 49 years old	5	8%
Patients 50 to 64 years old	1	2%
Patients 65 to 74 years old	1	2%
Patients 75 to 100 years old	0	0%
Total Patients that are over 100 years old	0	0%

Total by age of the information sent during the evaluated period

Total Caregiver Information Populated: This only assesses that the information is present for people between 0 and 18 years of age.

Highly desired demographic fields to be complete	Number	Percent	Goal
Total of Middle Name Populated	21	32%	75 % - 100 % for Total of middle name populated
Total of Gender Populated	66	100%	95 % - 100 % for Total of gender populated
Total of Ethnicity Populated	58	88%	95 % - 100 % for Total of ethnicity populated
Total of Race Populated	58	88%	95 % - 100 % for Total of race populated
Total Caregiver Info Populated for patients under 18 years old	43	70%	95 % - 100 % for Total caregiver info populated for patients under 18 years old
Total of Street Address Populated	65	98%	85 % - 100 % for Total of street address populated
Total of City Populated	65	98%	85 % - 100 % for Total of city populated
Total of Zip Code Populated	65	98%	85 % - 100 % for Total of zip code populated
Total of Phone Number Populated	65	98%	90 % - 100 % for Total of phone number populated
Total of Email Populated	51	77%	85 % - 100 % for Total of email populated
Total of Language Populated	18	27%	85 % - 100 % for Total of language populated
Total of Medic Aid Populated	22	33%	
Demographics score:	57.7	33%	90 % - 100 % for DQA score for demographics

Percentage of the population based on demographic information, with respective goals and colors to identify which were not met. Values such as 'unknown' or 'invalid data' are not counted as part of the population.

The demographics score calculation is the average population of gender, ethnicity, race, caregiver, address, phone number, email, and language.

DQA Score Overview

The Data Quality Assurance (DQA) score reflects how complete, timely, and accurate your data is, based on demographics, vaccinations, HL7 messages, and ACK responses.

The score calculation varies by interface type:

- **EHR-HL7 Facilities:** Average of Demographics, Vaccination, Timeliness, and ACK scores.
- **User Interface Facilities:** Average of Demographics, Vaccination, and Timeliness.
- **Query & Response Facilities:** Based on percentage of ACK responses.

The closer the score is to 100%, the better. Scores typically fall into three ranges: Needs Improvement, Close to Goal, and Goal Achieved.

Green: Achieving the goal of DQA

Orange: Close to achieving goal

Red: Needs attention, is not achieving goal

Vaccines tab

Includes scores for completeness, accuracy and timeliness of the vaccination fields.

CT WiZ Data Quality Assurance Report

Clinic Name:	HL7 UNIT TEST CLINIC
Total Locations:	1
Interface Type:	EHR-HL7
Evaluation Period:	May 2025

Vaccines Group Administered	Total Administered
Vaccine Group	
DTaP / TD / Tdap	28
Hep A	12
Hep B	21
Hib	21
MMR	8
Pneumococcal	24
Polio	24
Rotavirus	13
Varicella (CPOX)	7
Influenza	4
Meningococcal	5
HPV	2
Meningococcal B	2

Total vaccines sent by vaccine group during the evaluation period.

Total vaccines sent by administered and historical during the evaluation period.

Provider Vaccination Summary	Number	Percent	Goal
Total Immunization Records	153		
Total of Administered Vaccinations	107	70%	
Total of Historical Vaccinations	46	30%	
Potential duplicate vaccinations (Deleted Vaccines)	5	3%	0% - 0% for Total of potential duplicate vaccinations
Total of Vaccines with Given Date greater than Expiration Date	0	0%	0% - 0% for Total of vaccines with given date greater than expiration date

Highly desired vaccination event fields for administered vaccinations			
Total Admin: 107	Number	Percent	
Total of Lot Number Populated	107	100%	100% - 100% for Total of lot number populated
Total of Funding Source Populated	107	100%	90% - 100% for Total of funding source populated
STATE	0	0%	
PRIVATE	8	7%	
BLENDED PUBLIC CVP	99	93%	
Total of Funding Eligibility Populated	106	99%	90% - 100% for Total of funding eligibility populated
V02 - VFC Eligible - Medicaid/Medicaid Managed Care	50	47%	
V03 - VFC Eligible - Uninsured	0	0%	
V04 - VFC Eligible - American Indian/Alaska Native	0	0%	

V05 - VFC Eligible - Underserved AFQHC <=	0	0%	
V02 - Not VFC Eligible	56	53%	
V00 - VFC Eligible Not Determined/Unknown	0	0%	
V07 - Local-Specific Eligibility	0	0%	
V22 - CHIP	0	0%	
V23 - 327	0	0%	
V24 - Medicare	0	0%	
V25 - State Program Eligibility	0	0%	
Total of Manufacturer Populated	107	100%	95% - 100% for Total of manufacturer populated
Total of Expiration Date Populated	107	100%	95% - 100% for Total of expiration date populated
Total of Dosage Populated	107	100%	90% - 100% for Total of dosage populated
Total of Body Site Populated	106	99%	90% - 100% for Total of body site populated
Total of Body Route Populated	107	100%	90% - 100% for Total of body route populated
Total of VIS Date Populated	3	3%	95% - 100% for Total of VIS date populated
Vaccination Score	63.0		
Timeliness (Vaccinations reported to IS (report date and administration date))			
Reported between 0 and 3 days	43	40%	100% for Total of vaccinations reported between 0 and 3 days after administration
Reported between 4 and 14 days	62	58%	90% for Total of vaccinations reported between 4 and 14 days after administration
Reported between 15 and 29 days	0	0%	0% for Total of vaccinations reported between 15 and 29 days after administration
Reported with 30 days or more	2	2%	0% - 3% for Total of vaccinations reported over 30 days after administration
Timeliness Score	60.0		90% - 100% for Total of vaccinations reported

Percentage of the population based on vaccine administration data, with respective goals and color coding to identify unmet targets. Values such as 'unknown' or 'invalid data' are not included in the population count.

The timeliness score calculation is the percentage of data that was sent between 0-3 days.

The vaccination score calculation is the average population of lot number, funding source, funding eligibility, manufacturer, expiration date, dosage, body site, body route, and VIS date.

HL7 and ACK tab

Includes counts and types of HL7 errors (e.g., invalid segments, missing required fields) and how they affect overall data quality.

CT WiZ Data Quality Assurance Report

Clinic Name: HL7 UNIT TEST CLINIC
 Total Locations: 1
 Interface Type: EHR-HL7
 Evaluation Period: May 2025

HL7 Messages Summary

	Number	Percent
Total VXU Messages Submitted	85	
Total Patients Created	55	83%
Total Patients Updated	11	17%
Total of Immunizations Created	153	100%
Total of Immunizations Updated	0	0%
QBP Messages (Query Response)	3	
Total of Single Matches	3	100%
Total of Not Matches	0	0%
ACK Responses (VXU-QR)	88	
AA Good Messages	16	18%
AE Messages with Errors	3	3%
AI Informational Messages	2	2%
AW Messages with Warnings	67	76%
ACKs Score:		20.0 80% - 100 % for DQA score for ACK messages

Total patients and vaccines created and updated during the evaluated period.

Total matches and not matches submitted.

Total number of ACK (Acknowledgment) responses categorized by type. The ACKs score calculation is the percentage of good messages and informational messages (AA, AI).

ACK main errors and warnings by Provider		HL7 UNIT TEST CLINIC	
Severity	Error Location	Count	Description of the Error
1 Errors	ObservationValue OBX-5.	12	The eligibility code sent is invalid to the age of the patient
1 Errors	Invalid Names in Patient	6	Invalid Names in Patients were sent
1 Errors	Critical error in RXA Segment	2	The Segment will not load due to missing or invalid required data. Expectation: value in RXA-5 (AdministeredCode) requires a valid CVX or NDC in either the identifier or the alternate identifier to load.
1 Errors	Critical error in RXA Segment	2	The Segment will not load due to missing or invalid required data. Expectation: value RXA-3 [(DateTimeStartOfAdministration) is required and must be a valid formatted date that is not in the future and not before the patient's date of birth.
1 Errors	ObservationValue OBX-5.	1	Funding Eligibility code is invalid

Total number of warnings and errors found in the submitted HL7 messages, sorted from highest to lowest for review and correction.

Clinics-Facilities tab

Displays the list of clinics/locations that were evaluated.

CT WiZ Data Quality Assurance Report						
Clinic Name:	HL7 UNIT TEST CLINIC					
Total Locations:	1					
Interface Type:	EHR-HL7					
Evaluation Period:	May 2025					
Clinic						
ID	Clinic Name	PIN	HL7 Code	Practice Type	Go-Live Date	Type of Interface
2	HL7 UNIT TEST CLINIC	1111	CT9999	PRIVATE PRACTICE	4/1/2025	Bi-Directional Interface

Clinics/facilities that were evaluated in the DQA Report with relevant information about PIN, HL7 code, type, go live date and interface type.

DQA Error Detail Report

This report generates details of data quality errors associated with missing or invalid data in demographic and vaccination information.

- Login to CT WiZ
- Click on Reports section located in the main screen of CT WiZ
- Search for the **Data Quality Assurance** Section
- Click on **DQA Error Details Report**

Search Criteria

Provider/Clinic. The default Provider and Clinic name displays. To change the Provider /Clinic for the report begin typing the Provider Name, Clinic Name, VTrckS Pin, or Clinic Code to search for a Provider/ Clinic. Select the desired Provider/ Clinic from the list.

Evaluation Period. The report evaluates data based on month and year, no specific days. The maximum range is 90 days.

Processing

The system generates a list of data quality fields that were not satisfied in terms of demographic and vaccination details.

Output

- Provider ID
- Provider Name
- Clinic ID
- Clinic Name
- HL7 Facility Code
- Patient ID
- Medical Record Number
- Error Message
- Evaluation Period


Report Selection Criteria


Provider / Clinic *

[HL7 UNIT TEST PROVIDER] HL7 UNIT TEST CLINIC - HL7_UNIT_TST (1111)

Select a provider or clinic by typing provider, clinic, vfc pin, or clinic code

Evaluation Period

From Date * 06/09/2025 

Through Date * 07/09/2025 

Provider	Provider Name	Clinic	Clinic Name	HL7	Patient ID	Medical Record	Error Log Audit Create Date	Error Message	Evald
2	HL7 UNIT TEST PROVIDER	2	HL7 UNIT TEST CLINIC	CTXXXX	87927	TEST12345	6/26/2025 10:08	Missing VIS Dates	Jun-25
2	HL7 UNIT TEST PROVIDER	2	HL7 UNIT TEST CLINIC	CTXXXX	92009	TEST12366	1/17/2025 13:20	Invalid Names in Patient	Jun-25

DQA Score Summary Report

This report generates a summary of DQA scores.

- Login to CT WiZ
- Click on Reports section located in the main screen of CT WiZ
- Search for the **Data Quality Assurance** Section
- Click on **DQA Score Summary Report**

Search Criteria

Provider/Clinic. The default Provider and Clinic name displays. To change the Provider /Clinic for the report begin typing the Provider Name, Clinic Name, VTrckS Pin, or Clinic Code to search for a Provider/ Clinic. Select the desired Provider/ Clinic from the list.

Evaluation Period. The report evaluates data based on month and year, not specific days. The maximum range is 365 days.

Processing

The system generates a list of DQA scores for providers and clinics.

Output

- Provider ID
- Provider Name
- Clinic ID
- Clinic Name
- Interface Type
- Evaluation Period
- Demographics Score
- Vaccination Score
- Timeliness Score
- ACKs Score
- Overall Score


Report Selection Criteria


Provider / Clinic *

[HL7 UNIT TEST PROVIDER] HL7 UNIT TEST CLINIC - HL7_UNIT_TST (1111)

Select a provider or clinic by typing provider, clinic, vfc pin, or clinic code

Evaluation Period

From Date * 06/09/2025 

Through Date * 07/09/2025 

Provic	Provider Name	Clinic	Clinic Name	Interface Type	Evaluation Period	Demographics Score	Vaccination Score	Timeliness Score	ACKs Score	Overall Score
2	HL7 UNIT TEST PROVIDER			EHR-HL7	May 2025	81.7	89.0	40.0	20.0	57.7
2	HL7 UNIT TEST PROVIDER	2	HL7 UNIT TEST CLINIC	EHR-HL7	June 2025	93.2	99.1	33.0	25.0	62.6

HL7 Messages by ACK Message Report

This report enables users to generate detailed ACK message error logs to facilitate tracking and correction.

- Login to CT WiZ
- Click on Reports section located in the main screen of CT WiZ
- Search for the **Interface Activity – Clinic** Section
- Click on **HL7 Messages by ACK Message**

Search Criteria

Provider/Clinic. The default Provider and Clinic name displays. To change the Provider /Clinic for the report begin typing the Provider Name, Clinic Name, VTrckS Pin, or Clinic Code to search for a Provider/ Clinic. Select the desired Provider/ Clinic from the list.

Evaluation Period. The report evaluates data based on month and year, not specific days.

Output

The Summary tab includes the following columns: Vendor Name, Software Name, HL7 Facility Code, Clinic Code, Clinic Name, HL7 ACK Code, Severity of Error, Segment, HL7 Field Position, HL7 Field Name, Error Code, User Message, Total Errors, Action, Start Period End Period.

The Details tab includes the following columns: HL7 Log ID, Date of the Message, Vendor Name, Software Name, HL7 Facility Code, Clinic Code, Clinic Name, Patient ID, MRN, Original HL7 Message, HL7 ACK Code, Severity of Error, Segment, HL7 Field Position, HL7 Field Name, Error Code, HL7 Rule, User Message, Diagnostic Information.

Report Criteria

Date of Message

From Date * Through Date *

Provider / Clinic *


[HL7 UNIT TEST PROVIDER] HL7 UNIT TEST CLINIC - HL7_UNIT_TST (1111)

Select a clinic by typing provider, clinic, vtr pin, or clinic code

Vendor Name

Vendor Name	Software Name	HL7 Facility Code	Clinic Code	Clinic Name	HL7 ACK Code	Severity of Error	Segment	HL7 Field Position	HL7 Field Name	Error Code	User Message
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	RXA	RXA.13.4	Administration/accatilesRequest/observation	RXA.13	Administration/accatilesRequest/observation not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	RXA	RXA.13.4	Administration/accatilesRequest/observation	RXA.13	Administration/accatilesRequest/observation not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	I	ORC	ORC.12.1	Ordering/provider	ORC.12	Ordering/provider Table value not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	E	RXA	RXA.13.1	State/transferOfAdmission/Request/Date error	RXA.13	State/transferOfAdmission/Request/Date error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	RXA	RXA.13.4	Administration/accatilesRequest/observation	RXA.13	Administration/accatilesRequest/observation not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	RXA	RXA.13.1	State/transferOfAdmission/Request/value error	RXA.13	State/transferOfAdmission/Request/value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	I	ORC	ORC.12.1	Ordering/provider	ORC.12	Ordering/provider Table value not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	I	RXA	RXA.10.1	Administration/provider	RXA.10	Administration/provider Table value not found
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.5	Observation/status	ORR.5	Observation/status Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.5	Observation/status	ORR.5	Observation/status Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.5	Observation/status	ORR.5	Observation/status Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.5	Observation/status	ORR.5	Observation/status Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.5	Observation/status	ORR.5	Observation/status Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.13	Observation/status/Status/Request value error	ORR.13	Observation/status/Status/Request value error
HL7 UNIT TEST PROVIDER	UAT test	CT0000	HL7_UNIT_TST	HL7 UNIT TEST CLINIC	AE	W	ORR	ORR.13	Observation/status/Status/Request value error	ORR.13	Observation/status/Status/Request value error

How To Get Help

- Visit the [CT WiZ Training](#) webpage for numerous trainings.
- Click on the icon  located at the top of the CT WiZ pages to get a description of the screens.
- Click on the [Learn More](#) on top of some pages in CT WiZ to see short "How To" videos.
- Submit a help desk ticket at: <https://dph-cthelpdesk.ct.gov/>

Value	Select
What system do you need assistance with?	Immunizations (CT WiZ)
Select category	Clinic Administration
Select the topic	CT WiZ DQA Report Questions/Issues